

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A removable magnetic recording medium which is a removable disc medium for use in a magnetic recording system utilizing an MR head, wherein

the removable disc medium is encased in a cartridge,

a diameter of the disc medium is from 20 mm to 50 mm,

the disc medium comprises a flexible polymer support, an undercoat layer, a recording layer, a protective layer, and a lubricating layer in this order,

the support comprises polyethylene terephthalate or polyethylene naphthalate and has a thickness of 30 μm to 70 μm ,

a surface of the undercoat layer has 0.1 to 100/ μm^2 of projections having a height of from 5 to 60 nm,

the recording layer comprises a ferromagnetic metal alloy containing cobalt, and

the lubricating layer comprises a lubricant.
2. (previously presented): The removable magnetic recording medium according to claim 1, wherein the recording layer comprises a nonmagnetic oxide and the ferromagnetic metal alloy containing cobalt.
3. (currently amended): The removable magnetic recording medium according to claim 1, wherein the ferromagnetic metal alloy comprises one of the combinations selected from Co-Pt, Co-Cr, Co-Pt-Cr, Co-Pt-Cr-Ta and Co-Pt-Cr-B.

4. (original): The removable magnetic recording medium according to claim 2, wherein the nonmagnetic oxide is SiO₂.

5. (original): The removable magnetic recording medium according to claim 1, wherein the recording layer has a thickness of from 10 to 60 nm.

6-7. (canceled).

8. (previously presented): The removable magnetic recording medium according to claim 1, wherein the surface of the undercoat layer has 1 to 10/μm² of projections having a height of from 5 to 60 nm.

9. (previously presented): The removable magnetic recording medium according to claim 1, wherein the disc medium further comprises an under layer so that the flexible polymer support, the undercoat layer, the under layer, the recording layer, the protective layer, and the lubricating layer is in this order, and the under layer comprises Cr, Ru, C or an alloy of Cr with a metal selected from Ti, Si, W, Ta, Zr, Mo and Nb.

10. (previously presented): A method of recording, comprising providing a removable magnetic recording medium in a magnetic recording system utilizing an MR head, wherein:

the removable magnetic recording medium is a removable disc medium encased in a cartridge;

a diameter of the disc medium is from 20 mm to 50 mm;

the disc medium comprises a flexible polymer support, an undercoat layer, a recording layer, a protective layer, and a lubricating layer in this order;

the support comprises polyethylene terephthalate or polyethylene naphthalate and has a thickness of 30 μm to 70 μm;

a surface of the undercoat layer has 0.1 to 100/μm² of projections having a height of from 5 to 60 nm;

AMENDMENT

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the recording layer comprises a ferromagnetic metal alloy containing cobalt; and
the lubricating layer comprises a lubricant.